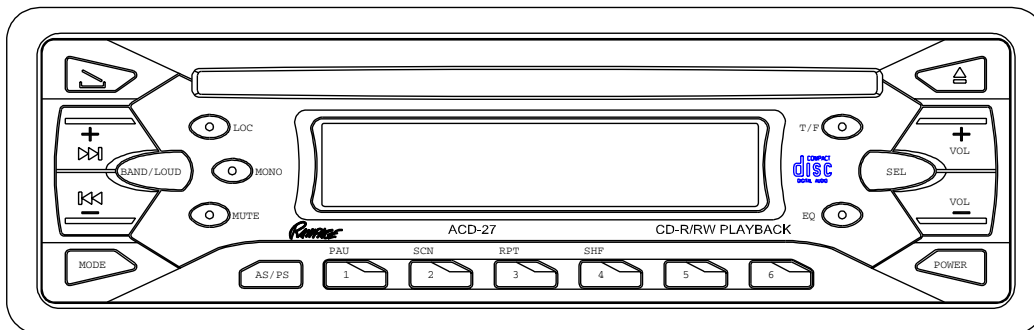


# **RAMPAGE**

## **OWNER'S MANUAL AND INSTALLATION GUIDE**



# **ACD-27**

## **AM/FM/MPX RADIO WITH DETACHABLE FRONT PANEL COMPACT DISC PLAYER, CD CHANGER CONTROLS AND QUARTZ CLOCK**

Released 2-28-03.

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## INSTALLATION INSTRUCTIONS

This unit is designed for installation in cars, trucks, and vans with an existing radio opening. In many cases, a special installation kit will be required to mount the radio to the dashboard. These kits are available at electronics supply stores and car stereo specialist shops. Always check the kit application before purchasing to make sure the kit works with your vehicle. If you need a kit but cannot find it available, call our toll-free "HELP" line (1-800-645-4994).

### UNIVERSAL INSTALLATION PROCEDURE USING MOUNTING SLEEVE

1. Remove the detachable front panel if it is attached to the chassis by pushing the "Release" button. Slide the mounting sleeve off of the chassis. If it is locked into position, use the removal tools (supplied) to disengage it.
2. Check the dashboard opening size by sliding the mounting sleeve into it. If the opening is not large enough, carefully cut or file as necessary until the sleeve easily slides into the opening. Do not force the sleeve into the opening or cause it to bend or bow. Check that there will be sufficient space behind the dashboard for the radio chassis.
3. Locate the series of bend tabs along the top, bottom, and sides of the mounting sleeve. With the sleeve fully inserted into the dashboard opening, bend as many of the tabs outward as necessary so that the sleeve is firmly secured to the dashboard.
4. Place the radio in front of the dashboard opening so that the wiring can be brought through the mounting sleeve. Follow the wiring diagram carefully and make certain all connections of the wiring harness are secure and insulated with wire nuts or electrical tape to insure proper operation of the unit. After completing the wiring connections, attach the front panel and turn the unit on to confirm operation (ignition switch must be "on"). If unit does not operate, re-check all wiring until problem is corrected. Once proper operation is achieved, turn off the ignition switch and proceed with final mounting of the chassis.
5. Carefully slide the radio into the mounting sleeve making sure it is right-side-up until it is fully seated and the spring clips lock it into place.
6. Attach one end of the perforated support strap (supplied) to the screw stud on the rear of the chassis using the hex nut provided. Fasten the other end of the perforated strap to a secure part of the dashboard either above or below the radio using the screw and hex nut provided. Bend the strap to position it as necessary.

**CAUTION:** The rear of the radio must be supported with the strap to prevent damage to the dashboard from the weight of the radio or improper operation due to vibration.

7. Re-attach the front panel to the chassis. Establish a location for the remote input jack (usually the underside of the dashboard) if it is a feature of the radio. Anchor it in place using two self-tapping screws (M5x6). Do not over-tighten screws. Test radio operation by referring to the Operating Instructions for the unit.

### INSTALLATION USING KITS

1. If your vehicle requires the use of an installation kit to mount this radio, follow the instructions included with the installation kit to attach the radio to the mounting plate supplied with the kit.
2. Wire and test the radio as described in Step 4 above.
3. Install the radio/mounting plate assembly to the sub-dashboard according to the instructions of the installation kit.
4. Attach the support strap to the radio and dashboard as described in Step 6 above.
5. Replace the dashboard trim panel.

### ISO INSTALLATION PROCEDURE

This unit has threaded holes in the chassis side panels which may be used with the original factory mounting brackets of some Toyota, Nissan, Mitsubishi, Isuzu, Hyundai and Honda vehicles to mount the radio to the dashboard. Please consult with your local car stereo specialist shop for assistance on this type of installation.

1. Remove the existing factory radio from its dashboard or center console mounting. Save all hardware and brackets as they will be used to mount the new radio.
2. Carefully un-snap the plastic frame from the front of the new radio chassis. Remove and discard the frame.
3. Remove the factory mounting brackets and hardware from the existing radio and attach them to the new radio.

**CAUTION:** DO NOT EXCEED M5 X 6 MM MAXIMUM SCREW SIZE.

LONGER SCREWS MAY TOUCH AND DAMAGE COMPONENTS INSIDE THE CHASSIS.

4. Wire the new radio to the vehicle as per step 4 of the Installation Instructions.
5. Mount the new radio assembly to the dashboard or center console using the reverse procedure of step 1.

### TOLL-FREE INSTALLATION ASSISTANCE

The installation and wiring connections for this unit are so simple, we doubt you'll need our help, but, if you do, we're here to help you. Just call our toll-free telephone assistance line at **1-800-645-4994** during the days and hours shown (U.S.A. and Canada only).

DAY	PACIFIC	MOUNTAIN	CENTRAL	EASTERN
MON. - FRI.	5:30AM - 4PM	6:30AM - 5PM	7:30AM - 6PM	8:30AM - 7PM
SATURDAY	6AM - 2PM	7AM - 3PM	8AM - 4PM	9AM - 5PM

#### UNIVERSAL INSTALLATION USING MOUNTING SLEEVE

**EXISTING DASH OPENING**  
FILE EDGES TO FIT IF NECESSARY - DO NOT OVERFILE  
**NOTE:** IF DASH IS SOLID, USE REAR SIDE (WITHOUT THE LIP) OF MOUNTING SLEEVE AS A TEMPLATE & CUT OPENING

**BEND TOP TABS UPWARD**

**BEND BOTTOM TABS DOWNWARD**

**CAUTION:**  
FOR PROPER OPERATION OF THE CD PLAYER, THE CHASSIS MUST BE MOUNTED WITHIN 20° OF HORIZONTAL. MAKE SURE THE UNIT IS MOUNTED WITHIN THIS LIMITATION.

**SIDE VIEW OF CHASSIS**  
20° MAX.  
FRONT PANEL

Labels in diagram: NUT (5MM), PERFORATED STRAP, FASTEN THIS END TO SCREW STUD ON REAR OF CHASSIS, SCREW (5MM), MOUNTING SLEEVE, RADIO, SCREW STUD, REMOVAL TOOLS, DETACHABLE FRONT PANEL.

FASTEN THIS END TO SECURE PART OF DASHBOARD. DRILL HOLE IF NECESSARY.

#### ISO INSTALLATION

REMOVE THE PLASTIC FRAME FROM THE FRONT OF THE CHASSIS BY CAREFULLY UN-SNAPPING IT.

UN-SNAP AT 2 PLACES EACH ON TOP AND BOTTOM

PLASTIC FRAME

**TYPICAL INSTALLATION**

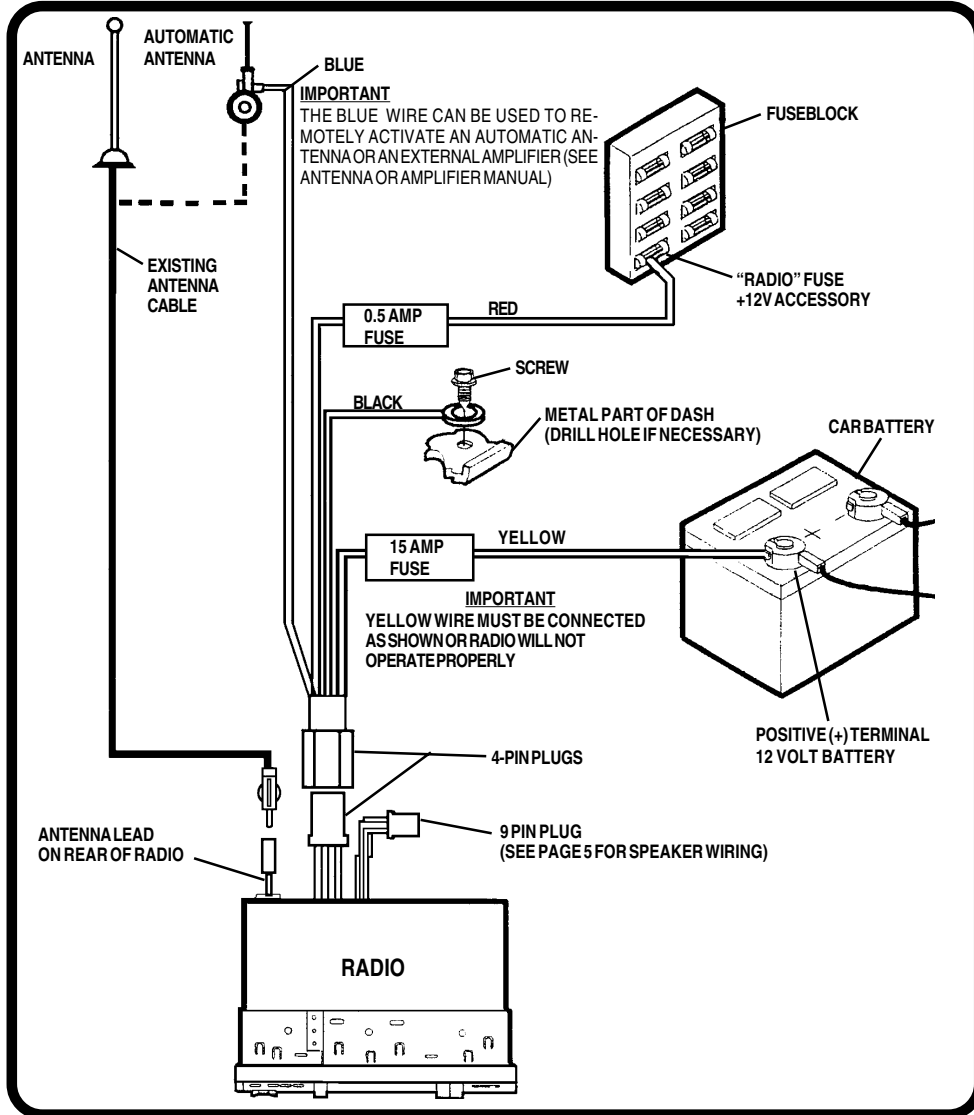
MAXIMUM SCREW SIZE M5 x 6

MAXIMUM SCREW SIZE M5 x 6

FACTORY MOUNTING BRACKETS

**RADIO WIRING**

REFER TO PAGE 5 FOR SPEAKER WIRING

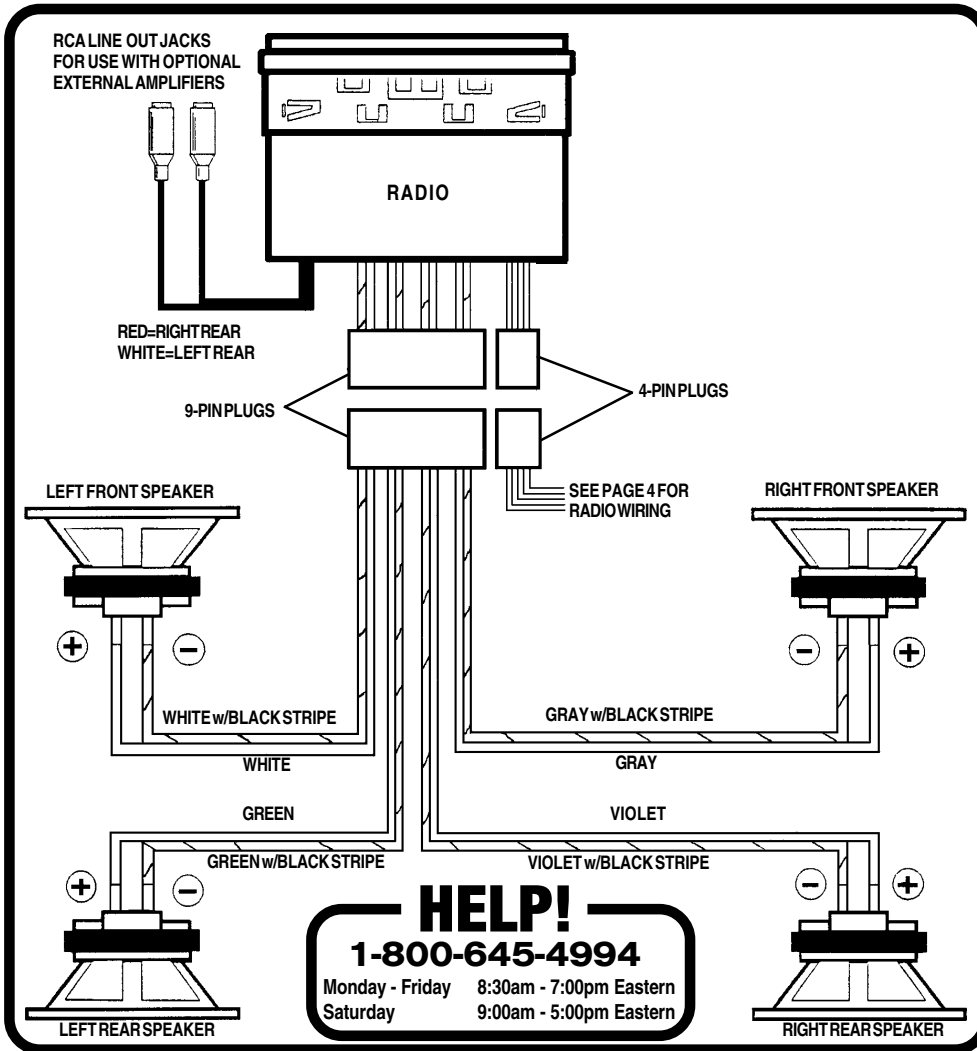


## SPEAKER WIRING

REFER TO PAGE 4  
FOR RADIO WIRING

### WARNING!

- THE AMPLIFIERS IN THIS RADIO ARE **ONLY** DESIGNED FOR USE WITH 4 SPEAKERS.
- **NEVER** COMBINE (BRIDGE) OUTPUTS FOR USE WITH 2 SPEAKERS.
- **NEVER** GROUND NEGATIVE SPEAKER LEADS TO CHASSIS GROUND.
- FAILURE TO WIRE EXACTLY AS SHOWN BELOW MAY CAUSE ELECTRICAL DAMAGE TO THE RADIO.



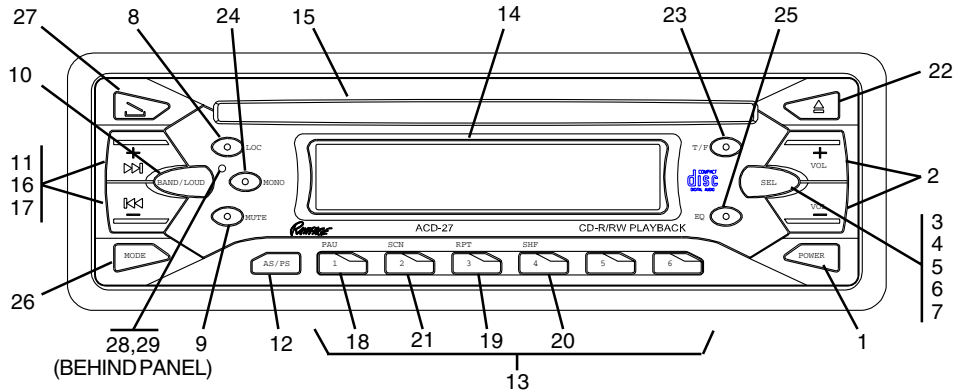
SPEAKER WIRING

5

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## OPERATING INSTRUCTIONS



### ① ON/OFF POWER BUTTON

Press this button to turn the unit on or off. If the unit is off and the ignition switch is on, the unit will turn on automatically when a disc is inserted, or when the MODE switch or BAND switch is pressed.

### ② VOLUME / LEVEL CONTROL

To increase the volume level, press the VOL + button. The volume will increase and the level will be shown on the display panel from a minimum of **VOL 00** to a maximum of **VOL 100**. To increase the volume quickly, keep the button pressed. To decrease the volume level, press the VOL - button. Keep the button pressed to decrease the volume quickly. The display will automatically return to the normal indication 5 seconds after the last volume adjustment or when another function is activated. These buttons are also used in conjunction with the Audio Select (SEL) button ③ to adjust the bass, treble, balance, and fader levels as described in ④, ⑤, ⑥ and ⑦.

### ③ AUDIO SELECT (SEL) BUTTON

This button is used to select the audio function (volume, treble, bass, balance, or fade) to be adjusted using the Volume/Level Controls ②. Pressing the SEL button will select bass

(**BAS** on the display), treble (**TRB**), balance (**BAL**), fader (**FAD**) or volume (**VOL**). The display will automatically return to the normal indication 5 seconds after the last adjustment or when another function is activated.

### ④ BASS CONTROL

To adjust the bass level, first select the Bass mode by pressing the SEL button ③ so that the **BAS** indication appears on the display panel. Within 5 seconds of choosing the Bass mode, press the VOL + or VOL - button ② to adjust the bass response as desired. The bass level will be shown on the display panel from a minimum of **BAS--10** to a maximum of **BAS 10** (**BAS 00** represents flat response). The display will automatically return to the normal indication 5 seconds after the last adjustment or when another function is activated. Adjusting the bass level will automatically return the equalizer setting to the **FLAT** mode from its previous setting.

### ⑤ TREBLE CONTROL

To adjust the treble level, first select the Treble mode by pressing the SEL button ③ so that the **TRB** indication appears on the display panel. Within 5 seconds of choosing the Treble mode, press the VOL + or VOL - button ② to

adjust the treble response as desired. The treble level will be shown on the display panel from a minimum of **TRB--10** to a maximum of **TRB 10** (**TRB 00** represents flat response). The display will automatically return to the normal indication 5 seconds after the last adjustment or when another function is activated. Adjusting the treble level will automatically return the equalizer setting to the **FLAT** mode from its previous setting.

#### ⑥ LEFT/RIGHT BALANCE CONTROL

To adjust the left-right speaker balance, first select the Balance mode by pressing the SEL button ③ so that the **BAL** indication appears on the display panel. Within 5 seconds of choosing the Balance mode, press the VOL + or VOL - button ② to adjust the balance as desired. The balance position will be shown on the display panel from **BAL 10L** (full left) through **BAL 10R** (full right). When the volume level between the left and right speakers is equal, **BAL L=R** will be shown on the display panel. The display will automatically return to the normal indication 5 seconds after the last adjustment or when another function is activated.

#### ⑦ FRONT/REAR FADER CONTROL

To adjust the front-rear speaker balance, first select the Fader mode by pressing the SEL button ③ so that the **FAD** indication appears on the display panel. Within 5 seconds of choosing the Fader mode, press the VOL + or VOL - button ② to adjust the front-rear speaker balance as desired. The fader position will be shown on the display panel from **FAD 10R** (full rear) through **FAD 10F** (full front). When the level between the front and rear speakers is equal, **FAD F=R** will be shown on the display panel. The display will automatically return to the normal indication 5 seconds after the last adjustment or when another function is activated.

#### ⑧ LOCAL (LOC) OPERATION

This feature is used to select the strength of the signals at which the radio will stop during Automatic Seek Tuning. Pressing the button will select the Local setting (**LOCAL** will appear on the display panel for 5 seconds and **LOC** will remain in the center of the display) and only strong (local) stations will be received. Pressing and holding the button again will select the Distant setting (**Dx** will appear on the display panel for 5 seconds) and the radio will stop at a wider range of signals, including weaker (more distant) stations.

#### ⑨ AUDIO MUTE (MUTE)

This button is used to mute the volume from the system. By pressing the button, a flashing **MUTE** indication will appear on the display panel and the volume will be muted. Pressing the Mute button again, or activating any other function of the unit will return the volume level to the setting in use before the Mute function was activated.

#### ⑩ BAND/LOUDNESS CONTOUR SELECTION (BAND/LOUD)

During radio operation, each momentary press of this button will change the radio band. The indication **AM**, **F1**, **F2**, or **F3** will appear on the display panel according to your selection. When listening to music at low volume levels, the loud feature will boost the bass and treble ranges to compensate for the characteristics of human hearing. Press the BAND/LOUD button for at least 2 seconds to activate this feature as indicated by a beep tone and **LOUD ON** appearing on the display panel for about 5 seconds. (**LOUD** remains on the display.) Pressing the button again for 2 seconds will sound a beep tone and **LOUD OFF** will appear on the display for about 5 seconds.

### ⑪ MANUAL UP/DOWN TUNING (+ ►►/◄◄ -) AUTOMATIC SEEK TUNING

Each time the + ►► button is pressed, the radio will tune higher, seeking the next strong station and stop. Similarly, each press of the ◄◄- button will tune lower and stop at the next strong station. To manually seek a specific station, press the button of the appropriate direction until the desired frequency is reached.

Pressing either button for longer than 2.0 seconds will cause **MANUAL** to appear on the display. Now when the Up or Down tuning button is pressed momentarily, tuning will occur two frequency steps at a time. If either button is pressed and held in Manual mode for 2 seconds, the manual Seek Tuning function is initiated, whereby the radio will tune rapidly in the appropriate direction and stop on, or close to, the desired frequency when the button is released.

If no further tuning is performed after 5 seconds, **AUTO** will appear momentarily on the display, and tuning will revert to the original tuning mode.

### ⑫ AUTO-STORE TUNING (AS) PRE-SET SCAN TUNING (PS)

During radio operation, press this button momentarily to scan the 6 stations in the pre-set memories of the FM band in use. The unit will stop at each pre-set station for 10 seconds before continuing to the next pre-set station (the frequency on the display panel will flash during Pre-Set Scan operation). Press the button again momentarily to stop Pre-Set Scan operation and remain on the selected frequency in that band.

Pressing the button for longer than 2 seconds will activate the Auto-Store Tuning feature. The radio will automatically scan the band in use and enter strong stations into the pre-set

memory positions for that band. If you have already set the pre-set memories of that band to your favorite stations, activating the Auto-Store Tuning feature will erase those stations and enter the new strong stations. This feature is most useful when traveling in a new area where you are not familiar with the local stations.

### ⑬ STATION PRE-SET MEMORIES

To set any of the 6 pre-set memory buttons, use the following procedure:

1. Turn the radio on and select the desired band.
2. Select the first station to be pre-set using the Manual Up/Down or Automatic Seek Tuning Controls ⑪.
3. Press the pre-set button (1-6) to be set and continue to hold it in. After approximately 2 seconds, the pre-set number will appear on the display panel, indicating that the station is now set into that pre-set memory position. The station can now be recalled at any time by pressing that button.
4. Repeat the above procedure for the remaining pre-sets on that band and for the other 3 bands on the unit.


### ⑭ LIQUID CRYSTAL DISPLAY PANEL FUNCTIONS

The Liquid Crystal Display (LCD) panel displays the frequency, time, and all activated functions, including five bar graphs which provide a visual representation of the audio signal level.

**NOTE:** It is a characteristic of LCD panels that, if subjected to cold temperatures for an extended period of time, they may take longer to illuminate than under normal conditions. In addition, the visibility of the numbers on the LCD may slightly decrease. The LCD readout will return to normal when the temperature increases to a normal range.



**15 DISC SLOT**

With the label surface facing up, gently insert the disc into the slot until the soft-loading mechanism engages and disc play begins. **S--CDP** will appear momentarily; the  indication will become animated, and **CDP** appears together with the track number and elapsed time.

**CAUTION:** This unit is designed for play of standard 5" (12cm) Compact Discs ONLY. Do not attempt to use 3" (8cm) CD-Singles in this unit, either with or without an adaptor, as damage to the player and/or disc can occur. Such damage will not be covered by the Warranty on this product.

**16 TRACK SELECT**

These buttons are used to quickly select the beginning of a particular track. With each momentary press of the Forward Track Select button (+▶▶), the next higher track number will be selected as shown on the display panel. Similarly, with each momentary press of the Backward Track Select button (◀◀-), the next lower track number will be selected.

**17 CUE/REVIEW FUNCTIONS**

High-speed audible search to any section of the disc can be made by the Cue and Review functions. Press and hold the Cue button (+▶▶) to advance rapidly in the forward direction or the Review button (◀◀-) to advance rapidly in the backward direction. During either function, the elapsed time within each track will automatically be shown on the display panel.

**18 DISC PAUSE (PAU) SELECT**

The Pause function is used to freeze disc play when the CD player is in use. **S--PAUSE** will appear on the display. Press this button again to resume disc play; the **S--PAUSE** indication will disappear.

**19 REPEAT PLAY SELECTOR (RPT)**

During disc play, press this button to repeat the play of the selected track (**S--RPT** will appear on the display panel). Play of the track will continue to repeat until the button is pressed again and the **S--RPT** indication disappears from the display panel. Repeat Play mode will also be cancelled by activating the Shuffle Play 20 or Track Scan 21 functions.

**20 SHUFFLE PLAY SELECTOR (SHF)**

During disc play, press this button to play the tracks on the disc in a random shuffled order (**S--SHF** will appear on the display panel). In Shuffle Play mode, pressing the Forward Track Select (+▶▶) or Backward Track Select (◀◀-) will also select tracks in a random order instead of the normal progression. Additional presses will select tracks in random order. The Shuffle Play mode can be cancelled by pressing the button again (**S--SHF** indication will disappear from the display panel) or by activating the Repeat Play 19 or Track Scan 21 functions.

**21 TRACK SCAN (SCN)**

During disc play, press this button to play the first 10 seconds of each track on the disc (**S--SCN** will appear on the display panel with the track number). When a desired track is reached, press the Scan button again to cancel the function and play of the selected track will continue. Track Scan mode will also be cancelled by activating the Repeat Play 19 or Shuffle Play 20 functions.

**22 DISC EJECT (▲)**

When this button is pressed, disc play is stopped, the disc is ejected and the unit will change to radio operation. If the disc is not removed from the unit within 15 seconds, the disc will be reloaded (**CDP** will reappear).

**23 TIME/FREQUENCY SELECTOR (T/F)**

This unit can display the clock time, radio frequency or CD player functions on the display panel. Pressing the Time/Frequency Selector button when the radio frequency or CD player track indication is shown, will change the display to show the time. The time display will automatically return to the radio frequency or CD player function indication after 5 seconds.

**24 FM MONO/STEREO SELECTOR (MONO)**

During FM radio operation, this button is used to select mono or stereo reception of the broadcast signal. Under normal reception conditions, the unit should be left in the stereo mode, as indicated by **ST** on the display panel when listening to an FM stereo signal. If the stereo signal is too weak for comfortable listening, press the button to switch to mono reception (the **ST** indication will disappear and **MONO** appears on the display panel). To return to the stereo reception mode, press the button again so that the **ST** indication returns.

**25 EQUALIZER SELECTOR (EQ)**

The EQ button applies preset sound effects to the unit's audio output signal. The EQ button, when pressed, will activate one of the following operating modes: **CLASSICS**, **POP M**, **ROCK M**, **DSP OFF**, or **FLAT**. When the **EQ** function is active, as displayed (**EQ----CLAS**, **POP**, **ROCK**) on the panel, the bass and treble levels can still be changed to accommodate the listener's ear. However, when the levels are changed, the equalizer function is disabled. When the EQ function is not active, the unit returns to the user-set bass and treble levels. The **FLAT** selection indicates no equalizer enhancement of the program, thereby removing the preset sound effects, unless otherwise desired. **DSP OFF** disables display of the equalizer setting.

**26 MODE SELECTOR (MODE)**

This button is used to select the radio, or the playback mode for the CD player. Each press

of the button will select a different mode as indicated on the display panel.

During CD player operation, this button may be used to change to radio without ejecting the disc (the **CDP** indication will remain on the display panel to show that a disc is still loaded in the unit). Press the button again to return to CD player mode.

**27 FRONT PANEL RELEASE BUTTON**

This button is used to release the mechanism that holds the front panel to the chassis. To detach the front panel, press the button so that the left side of the panel is released. Grasp the released side and pull it off of the chassis.

To re-attach the panel, position the right side of the panel in place first and then press in the left side of the panel until the mechanism locks it into place.

**28 THEFT-DETERRENT LED**

The theft-deterrent Light Emitting Diode (LED) is located behind the front panel and is accessible when the front panel is removed. The flashing light serves as a visual warning to the would-be thief that the unit has been disabled by removal of the front panel.

**29 RESET BUTTON**

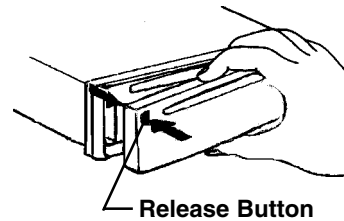
A RESET button is located on the front of the chassis (front panel must be removed to access the button). The RESET circuitry is provided to protect the microprocessor circuitry and should only be activated under the following circumstances as it will erase the time and pre-set memories:

1. Upon initial installation after all wiring is completed.
2. If there is a malfunction of any of the switches on the unit, pressing the RESET button may clear the system and return to normal operation.

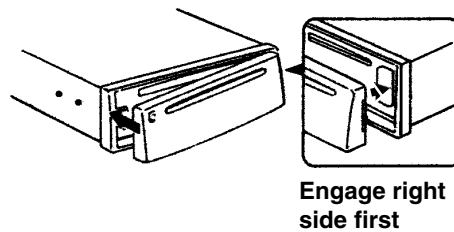
### NOTES ON USE OF FRONT PANEL

1. Make sure the front panel is right-side-up when attaching it to the chassis as it cannot be attached when up-side down.
2. Do not press very hard on the front panel when attaching it to the chassis. No more than light to moderate pressure should be needed.
3. When attaching the front panel, make sure the right side is correctly engaged before pressing the left side to lock it into position.
4. When taking the front panel with you, please use the supplied carrying case to protect the panel from dirt and damage. Make sure there is no dust or dirt on the electrical terminals on the back of the panel as this could cause intermittent operation or other malfunctions.




### DETACHING THE FRONT PANEL



### ATTACHING THE FRONT PANEL



### SETTING THE CLOCK

1. Turn the vehicle ignition and radio on (radio frequency or disc track number will be shown on the display panel).
2. Momentarily press the Time/Frequency (T/F) button  to display the time of day. Then press and hold the T/F button until the time display flashes.
3. While the display is flashing, press the Up Tuning button () to adjust the hours and the A or P indication, and the Down Tuning button () to adjust the minutes to the correct time.
4. When the correct time is shown on the display panel, press and release the T/F button (or wait 5 seconds) for the display to return to the normal indication.

**SPECIFICATIONS**


Size:	7" W x 2" H x 6-5/16" D 178 mm x 50 mm x 163 mm
Operating Voltage:	12 volts DC, negative ground
Output Power:	160 watts maximum (40 watts x 4 channels)
Output Wiring:	Floating-ground type designed for 4 speaker use. Front and rear channels CANNOT be combined (bridged) for use with 2 speakers. RCA low-level outputs (rear channels).
Output Impedance:	Compatible with 4 ohm speakers.
Low-Level Output:	0.8 volt (800 mv, 600mV Limit)
Tuning Range:	AM: 530 - 1,710 kHz. (10 kHz. step) FM: 87.5 - 107.9 MHz. (200 kHz. step)
Sensitivity:	4.0 uV
FM Stereo Separation:	25 dB
CD Frequency Response:	20 - 20,000 Hz. +0 / -3 dB
CD Signal/Noise Ratio:	55 dB
CD Channel Separation:	1kHz Limit: 50 dB, 10kHz Limit: 40 dB
CD Distortion:	0.2%

\*Specifications are subject to change without notice.

**CD-R AND CD-RW PLAYBACK CAPABILITY**

This model can play most CD-R and CD-RW media that contains audio programs. Playback of both CD-R and CD-RW depends on the conditions of the recording equipment and the CD-R or CD-RW disc quality. In some cases, a CD-R or CD-RW disc cannot be played on this unit.

## CD PLAYER ERROR CODES

If a problem should develop while operating the CD player, an error code (**ER-1**, **ER-2**, **ER-3**, etc.) may appear on the display panel. This can indicate a number of problems with the unit, including a mechanical error or an error in the microprocessor control of the player. If an error code should appear, try ejecting and re-loading the disc into the player. While the disc is out of the unit, make sure it is clean, undamaged, and loaded correctly (label surface up). You may also try activating the RESET button  on the unit, but this will also erase the time and pre-set memories.

If the suggested measures do not solve the problem, contact an approved warranty station near you for further assistance.

## CARE AND MAINTENANCE


The radio section of your new sound system does not require any maintenance. We recommend that you keep this manual for reference on the many features found in this unit as well as how to set the clock.

The compact disc player section also requires no routine maintenance, but proper understanding of its use and handling will help you obtain maximum enjoyment of its capabilities. The following points should be observed:

- When cleaning the interior of the vehicle, do not get water or cleaning fluids on the unit.
- The CD player is a precision instrument and will not operate properly in extreme heat or cold. In case of such conditions, wait until the interior temperature of the vehicle reaches a normal temperature before using the player.
- If the temperature inside the player gets too hot, a protective circuit will automatically stop play of the disc. In this case, allow the unit to cool off before operating the player again.
- Never insert anything other than a 5" (12 cm) compact disc into the player as the mechanism can be damaged by foreign objects.
- Do not attempt to use 3" (8 cm) CD-Single discs in this unit, either with or without an adaptor, as damage to the player and/or disc may occur. Such damage will not be covered by the Warranty on this product.
- When not using the disc player, always remove the compact disc. Do not leave an ejected disc sitting in the disc slot as this can expose it to sunlight and other causes of damage.
- Do not attempt to open the unit chassis. There are no user serviceable parts or adjustments inside.
- When the vehicle warms up during cold weather or under damp conditions, moisture may condense on the lens of the disc player. Should this occur, the player will not operate properly until the moisture has evaporated.
- The unit is designed with a vibration dampening CD mechanism to minimize interruption of disc play due to normal vibration in a moving vehicle. When driving on very rough roads, however, occasional sound skips may occur. This will not scratch or damage the disc and normal play will resume when the rough conditions cease.

### HANDLING COMPACT DISCS

Dirt, dust, scratches, and warpage can cause skips in the playback and deterioration of sound quality. Please follow these guidelines to take care of your compact discs:

- Use only compact discs with the mark  .
- Fingerprints, dust, and dirt should be carefully wiped off the disc's playing surface (shiny side) with a soft cloth. Wipe in a straight motion from the inside to the outside of the disc.
- Never use chemicals such as record sprays, household cleaners or thinner to clean compact discs. Such chemicals can irreparably damage the disc's surface.
- Discs should be kept in their storage cases when not in use.
- Do not expose discs to direct sunlight, high temperatures or high humidity for extended periods.
- Do not stick paper, tape, or labels on the disc surfaces nor write on them with any type of marker.

## 12 MONTH LIMITED WARRANTY

AUDIOVOX ELECTRONICS CORPORATION (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product (at the Company's option) without charge for parts and repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the warranty center at the address shown below.

This Warranty does not extend to the elimination of car static or motor noise, to correction of antenna problems, to costs incurred for installation, removal, or reinstallation of the product, or damage to tapes, compact discs, speakers, accessories, or vehicle electrical systems.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 30 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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CANADA: CALL 1-800-645-4994 FOR LOCATION OF WARRANTY STATION SERVING YOUR AREA

Form No. 128-4270A



For Customer Service  
Visit Our Website At  
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Product Information, Photos,  
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